## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/19336

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : G01R 31/08; G06F 11/00; H04J 1/16; H04L 1/00; H04L 12/26; H04L 12/28; H04L12/56  US CL : 370/229, 230, 231, 232, 235, 241, 252, 351, 395.2, 395.21  According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 370/229, 230, 231, 232, 235, 241, 252, 351, 395.2, 395.21			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.
A	US 2003/0107990 A1 (HERSCHLEB et al.) 12 Jun	e 2003, all	1-64
A, P	US 2004/0071095 A (RAISANEN) 15 April 2004,	all	1-64 -
A, B	US 2004/0165570 A1 (LEE) 26 August 2004, all		1-64
A	US 6,370,120 B1 (HARDY) 09 April 2002, all		1-64
A	US 6,512,746 B1 (SAND) 28 January 2003, ALL	•	1-64
A, B	US 6,798,745 B1 (FEINBERG) 28 September 2004	, ALL	1-64
Further documents are listed in the continuation of Box C. See patent family annex.			
Special categories of cited documents:      "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered.	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		when the document is taken alone  "Y"  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
		being obvious to a person skilled in th	
"P" document published prior to the international filing date but later than the "&" priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report	
22 December 2004 (22.12.2004)		<b>07</b> FEB 2005	
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